

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An information processing apparatus for executing an access control process, ~~characterized by~~ comprising:

a memory section for storing a MAC address table in which ~~[[a]]~~ one or more manually registered client MAC addresses and ~~[[an]]~~ one or more automatically registered client MAC addresses are registered in forms ~~to be able to~~ distinguish each other; ~~and~~

an access control section for executing different access control processes, in response to an access request from a client, in accordance with an access control mode set in ~~said the~~ information processing apparatus, wherein the access control mode is being an automatic registration access control mode or a manually registered device access control mode; and

a registration processing section for executing a setting change process for changing an entry of the one or more automatically registered client MAC addresses to an entry of the one or more manually registered client MAC addresses in the MAC address table, wherein

~~said the~~ access control section has a structure in that:

if ~~said the~~ access control mode is set in ~~said information processing apparatus is~~ said as the automatic registration access control mode, ~~[[a]]~~ one or more MAC

addresses of an access requesting client ~~[[is]]~~ are registered until the number of ~~said-~~
MAC addresses reaches a defined limit number of registration: ~~N of said MAC address-~~
~~table~~, and ~~said-the~~ access control process ~~for allowing said access from said client is~~
executed under the condition of ~~said-the~~ registration process; and

if ~~said-the~~ access control mode is set in ~~said-the~~ information processing
apparatus ~~is said-as the~~ manually registered device access control mode, ~~said-the~~
access control process ~~for allowing said access from said client is~~ executed under the
condition that ~~said-the one or more~~ MAC addresses of said-the access requesting client
~~[[is]]~~ are registered in ~~said-the~~ MAC address table as ~~said-one or more~~ manually
registered MAC addresses.

2. (Currently Amended) The information processing apparatus according to claim
1, characterized in that:

if ~~said-the~~ access control mode is set in ~~said-the~~ information processing
apparatus ~~is said-as the~~ automatic registration access control mode, ~~said-the~~ access
control section identifies the type of ~~said-access~~ request from ~~said-the~~ client and
registers ~~said-the one or more~~ MAC addresses of said-the client up to ~~said-the~~ defined
limit number of registration: ~~N of said MAC address table~~ only in the case where the
type of ~~said-the~~ identified ~~said-access~~ request corresponds to the type of access
request to which access control should be executed, and executes ~~said-the~~ access
control process for allowing ~~said-access~~ from ~~said-the~~ client under the condition of ~~said-~~
the registration process.

3. (Currently Amended) The information processing apparatus according to claim 2, characterized in that:

~~said the~~ type of access request to which ~~said~~ access control should be executed includes at least one of a content request process based on an HTTP (Hyper Text Transfer Protocol)-GET method and a control request process based on a SOAP (Simple Object Access Protocol).

4. (Currently Amended) The information processing apparatus according to claim 1, ~~characterized by comprising~~ wherein:

[[a]] the registration processing section ~~for executing~~ executes a process for registering [[a]] the one or more client MAC addresses in ~~said the~~ MAC address table as ~~said one or more~~ manually registered client MAC addresses under the condition that a manual registration process in accordance with a predefined MAC address registration process sequence is executed.

5. (Currently Amended) The information processing apparatus according to claim 1, ~~characterized by comprising~~ wherein:

[[a]] the registration processing section ~~for executing a~~ executes the setting change process ~~for changing an entry of said automatically registered client MAC address to an entry of said manually registered client MAC address in said MAC address table, under the condition that~~ when a manual registration process in accordance with a predefined MAC address registration process sequence is executed

for ~~[[a]]~~ the one or more MAC addresseses registered as ~~said~~ the one or more automatically registered client MAC addresseses in ~~said~~ the MAC address table.

6. (Currently Amended) An access control processing method in an information processing apparatus,~~characterized by~~ comprising:

an access request receiving step of receiving an access request from a client;

a mode determining step of determining an access control mode set in ~~said~~ the information processing apparatus is an automatic registration access control mode or a manually registered device access control mode; ~~[[and]]~~

an access control step of executing an access control process for registering ~~[[a]]~~ one or more MAC addresseses of an access requesting client up to a defined limit number of registration: ~~N of a MAC address table~~, and for allowing ~~said~~ access of said client under the condition of ~~said~~ the registration process, if ~~said~~ the set access control mode is ~~said~~ the automatic registration access control mode; and of executing an access control process for allowing ~~said~~ access of ~~said~~ the client under the condition that ~~said~~ the one or more MAC addresseses of access requesting client ~~[[is]]~~ are registered in ~~said~~ the MAC address table as ~~[[a]]~~ one or more manually registered MAC addresseses if ~~said~~ the set access control mode is ~~said~~ the manually registered device access control mode~~[[.]]; and~~

a registration processing step of executing a setting change process for changing an entry of the one or more automatically registered client MAC addresses to an entry of the one or more manually registered client MAC addresses in the MAC address table.

7. (Currently Amended) The access control processing method according to claim 6, characterized in that:

in ~~said the~~ access control step, if ~~said the~~ access control mode is set in said ~~information processing apparatus is said as the~~ automatic registration access control mode, the type of access request from ~~said the~~ client is identified, ~~said the one or more~~ MAC addresses of ~~said the~~ client up to the defined limit number of registration: ~~N of said~~ ~~MAC address table is~~ are registered only in the case where the type of ~~said the~~ identified access request corresponds to the type of access request to which a predefined access control should be executed, and a process for allowing ~~said~~ access of ~~said the~~ client is executed under the condition of ~~said the~~ registration process.

8. (Currently Amended) The access control processing method according to claim 7, characterized in that:

~~said the~~ type of request to which ~~said~~ access control should be executed includes at least one of a content request process based on an HTTP (Hyper Text Transfer Protocol)-GET method or a control request process based on a SOAP (Simple Object Access Protocol).

9. (Currently Amended) The access control processing method according to claim 6, ~~characterized by comprising~~ wherein:

[[a]] the registration processing step ~~for executing~~ executes a process ~~[[of]] for~~ registering [[a]] one or more client MAC addresses in said the MAC address table as ~~said the~~ manually registered client MAC addresses under the condition that a manual

registration process in accordance with a predefined MAC address registration process sequence is executed.

10. (Currently Amended) The access control processing method according to claim 6, ~~characterized by comprising~~ wherein:

~~[[a]] the registration process step of executing a~~ executes the setting change process for changing an automatically registered client MAC address entry to a manually registered client MAC address entry in said MAC address table, under the condition that when a manual registration process in accordance with a predefined MAC address registration process sequence is executed for ~~[[a]]~~ one or more MAC addresses registered in ~~said the~~ MAC address table as ~~[[an]]~~ automatically registered client MAC addresses.

11. (Currently Amended) A computer program, tangibly embodied in a computer-readable storage medium, for executing an access control process in an information processing apparatus, ~~characterized by comprising~~:

a mode determining step of determining an access control mode set in ~~said the~~ information processing apparatus is an automatic registration access mode or a manually registered device access control mode; ~~[[and]]~~

an access control step of executing an access control process for registering ~~[[a]]~~ one or more MAC addresses of an access requesting client up to a defined limit number of registration: ~~N of a MAC address table~~, if a set access control mode is ~~said the~~ automatic registration access control mode, and for allowing ~~said the~~ access of said

client under the condition of ~~said the~~ registration process; and of executing an access control process for allowing ~~said the~~ access of ~~said the~~ client under the condition that ~~said the one or more~~ MAC addresses of ~~said the~~ access requesting client ~~[[is]]~~ are registered in ~~said the~~ MAC address table as ~~[[a]]~~ one or more manually registered MAC addresses, if ~~said the~~ set access control mode is ~~said the~~ registered device access control mode~~[[.]]~~; and

a registration processing step of executing a setting change process for changing an entry of the one or more automatically registered client MAC addresses to an entry of the one or more manually registered client MAC addresses in the MAC address table.